

**AUTOMATED ADAPTATION OF THE SUPPLY VOLTAGE OF A  
LIGHT-EMITTING DISPLAY ACCORDING TO THE DESIRED LUMINANCE**

**ABSTRACT**

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A method for regulating the biasing voltage of column control circuits of an array screen formed of LEDs distributed in lines and columns, the column control circuits being adapted to turning on at least one LED of a line. The method consists of increasing the biasing voltage when the current flowing through at least one activated LED is smaller than a determined luminance current and of decreasing the biasing voltage when  
10 the current flowing through each activated LED is equal to the determined luminance current.